(3) Such certificate shall be signed by a ground engineer qualified under the terms and conditions of his licence to carry out the overhaul, repair, or replacement to which the certificate relates, or by the authorized representative of a firm or company approved by the Minister for the purpose of giving such certificates: Provided that if the overhaul, repair, or replacement has been carried out at an N.Z. Permanent Air Force aerodrome by N.Z.P.A.F. personnel, the certificate may be signed by the officer in charge of workshops at that aerodrome.

(4) Such certificate shall, when relating to the aircraft exclusive of the engine or engines, be written in the aircraft log-book, and when relating to the engine or engines, be written in the engine log-book: Provided, however, that if the appropriate log-book is not at the place where the overhaul, repair, or replacement is carried out, the certificate may be given separately from the log-book, in which case it shall be pasted in the log-book as soon as reasonably practicable and meanwhile shall be kept with the journey log-book.

(5) When damage occurs to the main structure of an aircraft in respect of which a certificate of airworthiness issued by the Minister is in force, the aircraft shall not again be flown (except in so far as under these regulations it might be flown if it had no certificate of airworthiness) until such damage has been repaired in accordance with the requirements of this paragraph and to the satisfaction of the person by whom the certificate required under this paragraph is signed.

SECTION VII.—INSTRUMENTS AND EQUIPMENT TO BE CARRIED.

39. With reference to paragraph 18 of the regulations, the instruments and equipment to be carried and maintained in working order in New Zealand aircraft registered in New Zealand, when flying, are, in the cases indicated, as follows:—

(1) *Flying-machines,*—
- (i) In all flying-machines—
  - (*a*) For all flights—
    - Air-speed indicator.
    - Altimeter.
    - Such gauges as are considered necessary by the Minister for the particular installation.
    - Revolution indicator.
    - Safety-belt for each person carried in an open cockpit and for the pilot or pilots whether carried in an open cockpit or not.
  - (*b*) For flights which extend beyond a radius of three miles from the point of departure—
    - Equipment, as required by the circumstances of the case, for making the signals prescribed for aircraft in Section II of Schedule IV of the regulations.
  - (*c*) For flights by night—
    - Navigation lights.
    - Illumination for instruments and equipment.
- (ii) In amphibian flying-machines—
  - Indicator of position of landing-wheels.
- (iii) In flying-machines carrying passengers or goods for hire or reward—
  - (*a*) For flights which extend beyond a radius of twenty miles beyond the point of departure—
    - Compass.
    - Watch.
    - Turn indicator, except for flying-machines in which the number of seats (including those for the crew) as shown in the certificate of airworthiness is not more than five.
    - Maps or maps to cover the whole route of the proposed flight.
  - (*b*) For flights on which, under clause 7 (2) of the regulations, a licensed navigator is required to be on board—
    - Drift indicator, except for flying-machines in which the number seats (including those for the crew) as shown in the certificate of airworthiness is not more than five.
  - (*c*) For flights on which a licensed navigator other than the pilot is on board—
    - Chart table.
    - Navigation instruments.
    - Also when the pilot's instruments are not readily visible to the navigator—
      - Second air speed indicator.
      - Second altimeter.
      - Second compass.
  - (*d*) For flights at any point of which the machine is more then ten miles from the nearest land—
    - Life-belt for each person on board.
  - (*e*) For flights by night—
    - Landing lights.

(2) *Airships,*—
- (i) For all flights—
  - Air-speed indicator.
  - Altimeter.
  - Such gauges as may be considered necessary by the Minister for the particular installation.
  - Revolution indicator.
  - Fore and aft level.
  - Manometer for each gas bag or balloonette.
  - Statoscope.
  - Watch.
  - Compass.
  - Drift sight.
  - Map or maps to cover the whole of the proposed flight.
  - Chart table.